

Nittany Mineralogical Society Bulletin

Nittany Mineralogical Society, Inc., meeting in State College, Pennsylvania
Contact information on back page

May, 2023

Visit our web site: www.nittanymineral.org

Editor (see back page):

David C. Glick

May 17th meeting:

IN PERSON at BOAL HALL or via ZOOM:

Life in the Cambrian: What controlled diversity in earth's earliest complex ecosystems?

by Kayla Irizarry¹,
Mark Patzkowsky¹, Kimberly Lau¹

¹ Department of Geosciences, Pennsylvania State University, University Park, PA 16802, USA

Our May meeting will be held Wednesday the 17th in Boal Hall (Boalsburg Fire Hall), 113 East Pine St., Boalsburg, PA 16827. Maps can be found on our web site.

7:15 to 7:45 p.m.: Social "hour." We will serve some refreshments - snacks and a few beverages - or feel free to bring your own non-alcoholic beverage.

7:45 to 8:00 p.m.: Announcements, door prizes, sales about 8:00 p.m.: featured program

*The event has free admission and free parking (lot just east of Fire Hall along East Pine St.), and is open to all; **parents/guardians must provide supervision of minors.** Bring your friends and share an interesting evening.*

*We hope you will join us in person, but if you can't, the **Zoom link** will be e-mailed to all paid members who receive our e-mails. Others are welcome to request it by e-mailing <xidg@verizon.net>. We will **NOT** be recording this presentation, so join us in real time. -Editor*

The Cambrian explosion was a profound diversification event which took place in the earliest half of the Cambrian; during this event most of the major groups of animals known from the modern and fossil record first evolved. Later in the Cambrian there was an unexplained "diversity plateau", during which time diversity remained stagnant. Recent studies suggest that Cambrian oceans, particularly in deep water settings, maintained low oxygen conditions. Expansion of low oxygen conditions into shallow waters has been suggested as a trigger or contributing factor to the diversity plateau observed at the end of the Cambrian. In this talk, I will discuss the variety of life and environments of the Cambrian world and discuss whether oxygen played a key role in the early evolution of marine life. ✨

Junior Rockhounds Meetings Schedule Change - NO meeting May 15.

In the coming weeks, check the web page <<http://www.nittanymineral.org/juniors.htm>> to see any news about a field trip, and additional meetings after May 22. Thanks go to Dr Andrew Sicree for his efforts on this program.

NMS Recorded Presentations

David Glick

The majority of the NMS meeting Zoom presentations made during the pandemic were also recorded and may be viewed by using the links on the main page of our web site (scroll down to find them). The April program is now available. Others require more processing, which is in progress.

NMS Summer Schedule

No meetings in June or July, although we're working on scheduling a social dinner at Outback Steakhouse in June. Our next planned meeting is August 16, our usual third Wednesday of the month.

Possible Mineral Garage Sale

David Glick

Any members who might be interested in selling their items at a 'Mineral Garage Sale,' please contact the president (see p. 4).

Membership Directory and Membership Cards

by David Glick,
NMS Membership Chair

Current members should find a Membership Directory and their membership card enclosed with their printed Bulletin this month. Please report any problems to Membership Chair Dave Glick (see page 4).

FEDERATION NEWS

Nittany Mineralogical Society, Inc., is a member of EFMLS, the Eastern Federation of Mineralogical and Lapidary Societies, and therefore an affiliate of AFMS, the American Federation of Mineralogical Societies. We encourage our readers to read their monthly newsletters. The AFMS News is linked from our web site, <<http://www.nittanymineral.org>>, found at <http://www.amfed.org/afms_news.htm>. The Eastern Federation now has its Newsletters on its web site (use Chrome if Firefox does not work). Back issues are also available; for the password, look on the web site or contact David Glick (see back page).

In the AFMS April Newsletter, President Cheryl Neary discusses each of us learning something new each day, actively participating in our clubs, and lots of other news. An ongoing invitation is to write articles on a subject that begins with the same letter as the current month; the May issue includes mammoths, moolooite, and a 'Mountain Marvel' poem. There's lots of information about Billings, Montana, which will host the AFMS and Northwest Federation Conventions and show, August 3-6, 2023.

The Eastern Federation's May Newsletter includes an update on many activities and Executive Board actions from president Bill Stephens. Clubs that have not been heard from in a few years are being sought out and invited to come back. Website improvements are actively being made. Contributions to the Newsletter (to Editor Dan Imel) and the Facebook page (to Social Media Director Andrew "Rockhound") are invited - steady activity is needed! An informative Q&A session about the liability insurance which many clubs (including NMS) purchase through EFMLS is presented.

The big EFMLS news is the Convention coming up in Syracuse, New York, on July 7-9, and its associated field trips, which are described in the newsletter.



6-inch Herkimer "diamond" from Mohawk (EFMLS News, May 2023)

A d v a n c e
Registration forms for the Convention are provided; this includes registration for the three field trips, notably the July 10 Herkimer "diamond" field trip to Mohawk Valley Mineral Mining (cost \$75, and advance registration for the convention is required).

Finally, Bill Stephens advises us of the Friends of Mineralogy and AFMS activity to prevent closure of all mineral collecting localities in the Mojave Trails National Monument in southern California. There are many localities there which have provided good collecting for decades. See the report on pages 16-17 of the May EFMLS Newsletter.



Another huge Herkimer "diamond" from Mohawk Valley Mineral Mining (photo from EFMLS News, May 2023).

Geo-Sudoku

by David Glick

The puzzle below contains the letters ADGHILSTY. One row or column includes the non-fluorescents at Sterling Hill. If you've read this issue, you've seen it. Each block of 9 squares, each row, and each column must contain each of the nine letters exactly once. The solution is on page 4.

S				L	A		D
	G		H	Y			
	H	L		D		G	T
I	T	G		S			Y
						T	S
L		H	Y	T			G
			A			Y	
Y		A		T			I
			I			G	A

The Monongahela Rockhounds Gem, Mineral and Fossil Show



Saturday, July 22, 2023 10 am to 6 pm
Sunday, July 23, 2023 10 am to 4 pm



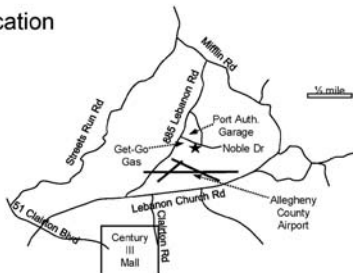
West Mifflin Volunteer Fire Co., #4
 Skyview Hall, (air-conditioned)
 660 Noble Drive, Pittsburgh, PA 15122
 (Near Century III Mall and the Allegheny Co. Airport)



Free Admission!

- Featuring dealers of minerals, fossils, gems, jewelry, beads, and lapidary items
- Lapidary demonstration
- Free rock and mineral identification
- Children's activities
- Geode cutting
- Food and beverages
- Door prizes
- **Free grand prize drawing!**

See our website for current show Covid guidelines and last minute show changes



www.monongahelarockhounds.org

Multi-Club Get-Together, Multi-Activities at Sterling Hill on Saturday June 10, by North Jersey Mineralogical Society from EFMLS News, May, 2023

NoJMS's multi-club get-together, open to members of other clubs, will take place at the Sterling Hill Mine Pavilion on Saturday, June 10, 2023. Meet and Greet will begin at 10AM. You can collect on the 2 front Mine Piles (Mine Run Dump and Worldwide Pile), which includes fluorescents and daylight specimens so you should bring your lamp, if you have one, or you could use the light in the shed that is in the middle of the Worldwide Pile and one of the Mine Run Piles- from 10AM-12PM. Poundage Fee will be \$2.00 / lb. (try to keep it to a max of 5 lbs.), and there will be no admittance / entry fee aside from the per Poundage rate. 12PM Lunch - \$5.00 per person for hot dog, hamburger, and trimmings (tickets will be provided for 1 hotdog & 1 hamburger) Payment can be made as follows: Zelle to dianatasco@yahoo.com , Diana Tasco OR Check can be mailed to Diana Tasco, 73 Shore Road, Lake Hopatcong, NJ 07849 Please bring your favorite potluck dish or desert to be shared by all and whatever you like to drink. PLEASE EMAIL dianatasco@yahoo.com WHAT YOU WILL BE BRINGING, SO WE DON'T DOUBLE UP ON SAME ITEMS. It is advised that you bring a chair, as only picnic benches are available. 1PM - Mine Tour for those interested. Tour costs are \$14.00 for adults, \$13.00 for seniors 65+, \$11.00 for children 4-12 years old, Free for children under 4 years old - Please RSVP dianatasco@yahoo.com if you will be going on the tour so that the mine has enough tour guides on hand.

FRIENDS OF MINERALOGY - Pennsylvania Chapter SYMPOSIUM November 11, 2023 Johnstown, PA FIELD TRIP November 12



Symposium for mineral collecting enthusiasts

Friday evening Nov. 10: Meet & Greet - bring your mineral specimens to talk about.

Saturday Nov. 11: Hybrid Symposium - **ONLINE** or **IN PERSON**

8:30 a.m. to 5:00 p.m. at University of Pittsburgh - Johnstown

Talks by knowledgeable **SPEAKERS** on **Pennsylvania Mineralogy and Geology**

Expanded Sales by Select Dealers - Silent Auction - Give-away Table - Conversation

Professional Geologists: Five Professional Development Hour credits available for full lecture attendance

Sunday Nov. 12: Field Trip to New Paris Quarry. Open only to symposium registrants.

Watch for details, **registration form**, changes and updates on our **web site:**

www.rasloto.com/FM or Friends of Mineralogy Pennsylvania on Facebook

For newsletters and field trips during the year, please join our chapter!
See "Join FM" on the web site

UPCOMING EVENTS

Confirm details of events before attending.

<https://efmls.org/events/list/>

See other show calendar links on our web site.

June 3, 2023: Spring Mineralfest, by PESA. Sat. only, 8:30 a.m. to 3:00 p.m. Macungie Memorial Park, Macungie, PA. <https://www.mineralfest.com/>

June 10, 2023: Multi-Club Get-Together at Sterling Hill Mine, by North Jersey Mineralogical Society. See page 3.

July 7-9, 2023: EFMLS Annual Convention in Syracuse, NY hosted by Gem & Mineral Society of Syracuse, NY. <https://efmls.org/annual-convention/>

July 22-23, 2023: Gem, Mineral and Fossil Show, by Monongahela Rockhounds. West Mifflin Vol. Fire Co. #4, 660 Noble Dr., Pittsburgh PA 15122. Sat. 10-6, Sun. 10-4. See <https://www.monongahelarockhounds.org/events-shows> and page 3.

July 22-23, 2023: Christmas in July Extravaganza, by Lancaster County Fossil and Mineral Club. Farm and Home Center, 1383 Arcadia Rd, Lancaster, PA. See facebook LancasterFossilandMineralClub

August 3-6, 2023: AFMS and Northwest Federation of Mineral Societies Annual Convention, Billings, Montana.

Nov. 10-12, 2023: Friends of Mineralogy- PA Chapter Symposium, Johnstown, PA. Symposium for mineral collecting enthusiasts. Fri. eve. Meet & Greet; Sat. Hybrid Symposium - Online or In Person; Sun. field trip. See <https://rasloto.com/FM/whats-new/>

Geo-Sudoku Solution

S	Y	I	T	G	L	A	H	D
T	G	D	H	A	Y	I	S	L
A	H	L	S	D	I	G	Y	T
I	T	G	D	S	H	L	A	Y
D	A	Y	L	I	G	H	T	S
L	S	H	Y	T	A	D	I	G
G	I	T	A	L	S	Y	D	H
Y	D	A	G	H	T	S	L	I
H	L	S	I	Y	D	T	G	A

INVITE A FRIEND TO JOIN THE SOCIETY

The Nittany Mineralogical Society prides itself on having among the finest line-up of speakers of any earth sciences club in the nation. Everyone is welcome at our meetings. If you'd like to be part of our Society, dues are \$20 (regular member), \$7 (student rate), \$15 (seniors), \$30 (family of two or more members, names listed). Those joining in March or later may request pro-rated dues. Your dues are used for programs and speakers, refreshments, educational activities, Bulletins, and mailing expenses. Please fill out a membership form (available at www.nittanymineral.org), make checks payable to "Nittany Mineralogical Society, Inc." and send them in as directed, or bring your dues to the next meeting.

We want to welcome you!

CONTACT INFORMATION

mailing address:

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c/o S. Bingham, Treasurer
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Penna. Furnace PA 16865

SOCIETY OFFICERS

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Stuart Bingham (Treasurer)
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OTHER CONTACTS

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Door Prizes: Dr. Bob Altamura (see above)
Facebook: John Dziak: dziakj1@gmail.com
Publicity:

The Bulletin Editor will welcome your submissions of articles, photos, drawings, cartoons, etc., on minerals, fossils, collecting, lapidary, and club activity topics of interest to the members. Please contact:

David Glick E-mail: xidg@verizon.net
425 Armagast Rd. phone: (814) 810-2116 (h)
Bellefonte, PA 16823-9762

Newsletter submissions are appreciated by the first Wednesday of the month. Photographs or graphics are encouraged, but please do not embed them in word processor files; send them as separate graphics files (good to highest quality JPEG files, about 1050 pixels wide, are preferred). Please provide captions and name of photographer or artist.

Visit us at www.nittanymineral.org